

**U. S. DEPARTMENT OF ENERGY  
WORK BREAKDOWN STRUCTURE DICTIONARY  
PART II - ELEMENT DEFINITION**

<b>1. PROJECT TITLE/PARTICIPANT</b> Environmental Management/Paducah Remediation Services, LLC (PRS)		<b>2. DATE</b> 06/29/07	<b>3. IDENTIFICATION NUMBER</b> Paducah Project DOE Portsmouth/Paducah Project Office (PPPO)
<b>4. WBS ELEMENT CODE</b> 04.11.03.03		<b>5. WBS ELEMENT TITLE</b> Surveillance & Maintenance	
<b>6. INDEX LINE NO.</b> N/A	<b>7. REVISION NO. AND AUTHORIZATION</b> Rev 0		<b>8. DATE</b> 06/29/07
<b>9. APPROVED CHANGES</b> N/A			
<b>10. SYSTEM DESIGN DESCRIPTION</b> N/A		<b>11. BUDGET AND REPORTING NUMBER</b> N/A	
<b>12. ELEMENT TASK DESCRIPTION</b>  <b><u>WBS STRUCTURE</u></b>  <p>The scope of this element includes the following subelements.</p> <ul style="list-style-type: none"> <li>• WBS 04.11.03.03.01 Surveillance &amp; Maintenance Subproject Management</li> <li>• WBS 04.11.03.03.02 C-340 Surveillance &amp; Maintenance</li> <li>• WBS 04.11.03.03.03 Other Facilities Surveillance &amp; Maintenance</li> <li>• WBS 04.11.03.03.04 Vehicle Maintenance</li> </ul> <b><u>INTRODUCTION</u></b>  <p>Surveillance and Maintenance (SM) activities are performed on many facilities at the Paducah Gaseous Diffusion Plant (PGDP).</p> <ul style="list-style-type: none"> <li>• Surveillance is any activity that involves the scheduled, periodic inspection of a facility, equipment, or structure required by federal and state environmental, safety, and health laws and regulations, and by DOE Orders. The purpose of surveillance is to demonstrate compliance, identify problems requiring corrective action, and determine the facility's present environmental, radiological, and physical condition. More specifically, surveillance includes activities to be performed to determine the operability of critical equipment, monitor radiological conditions, check safety-related items, provide for facility safety controls, and assess facility structural integrity.</li> <li>• Maintenance is any activity performed at the site or facility on a day-to-day basis that is required to sustain property in a condition suitable for the property to be used for its designated purpose and includes preventative, predictive, and corrective (repair) maintenance.</li> </ul> <p>Thus, S&amp;M consists of activities performed at the PGDP that result in the effective management of hazards and that are necessary to maintain safe and secure conditions, while complying with applicable requirements.</p> <b><u>LOGIC RELATIONSHIPS</u></b>  <b>Interfaces</b> <u>Internal to PRS</u> <ul style="list-style-type: none"> <li>• All PRS project managers and staff</li> <li>• All subcontractors</li> </ul> <u>External to PRS</u> <ul style="list-style-type: none"> <li>• U.S. Department of Energy (DOE) Paducah Portsmouth Project Office (PPPO) and support contractors</li> <li>• DOE Headquarters or other DOE sites (if applicable)</li> <li>• U.S. Environmental Protection Agency (EPA)</li> </ul>			

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<ul style="list-style-type: none"><li>• Commonwealth of Kentucky (KY)</li><li>• Site tenants including United States Enrichment Corporation (USEC); Uranium Disposition Services, LLC; and Swift &amp; Staley Team (SST)</li><li>• USEC services in the area of property, information technology, radios, etc.</li><li>• SST, particularly in the areas of property management, information technology, and security.</li><li>• Nevada Test Site (NTS): Profiling and disposition of newly generated and classified and fissile low-level waste (LLW), if required or applicable.</li><li>• EnergySolutions: Profiling, treatment, and disposition of mixed and LLW, if required or applicable.</li><li>• Toxic Substances Control Act Incinerator, if required or applicable.</li><li>• Commercial treatment, storage, and disposal facility: For treatment and disposal of non radioactive hazardous waste, if required or applicable.</li><li>• Stakeholders</li><li>• Citizens Advisory Board and supporting contractor Edward Holmes Incorporated.</li><li>• DOE Integrated Safety Management System (ISMS) Verification Team</li><li>• Other nonregulatory key interfaces</li></ul>		
<b>Time Sequencing With Other Work</b> <ul style="list-style-type: none"><li>• These elements continue through the duration of the contract.</li><li>• No predecessor/successor relationships within the scope of the existing contract.</li><li>• No regulatory milestones are associated with this WBS element within the contract period [Federal Facility Agreement (FFA), Agreed Orders, and Site Treatment Plan (STP)].</li><li>• Work will be sequenced to prevent interference with remediation efforts.</li></ul>		
<b><u>SCOPE DESCRIPTION:</u></b> <ul style="list-style-type: none"><li>• Perform Surveillance &amp; Maintenance activities for various facilities through the end of the contract. This will include, but is not limited to, routine inspections, corrective maintenance, minor facility repairs, combustible removal, gross vacuuming, maintenance vacuuming, cleanup of spills/leaks, control of loose contamination and airborne particles, isolation of utilities. The facilities were grouped as follows:<ul style="list-style-type: none"><li>○ C-340 S&amp;M</li><li>○ Other Facilities S&amp;M</li><li>○ Vehicle Maintenance</li></ul></li><li>• Perform inspections of the facilities and identify health, safety, and environmental concerns.</li><li>• Perform routine health physics surveys of facilities and provide support to personnel for facility access, including access to contamination areas for mowing or other maintenance.</li><li>• Engineering support for corrective maintenance activities that include drawings, generation of scope of work, Activity Hazard Assessment's, procedures and supervision for maintenance repairs to DOE facilities.</li><li>• Typical activities that may be performed as part of S&amp;M, based on building conditions and available resources, include the following:<ul style="list-style-type: none"><li>○ Corrective maintenance;</li><li>○ Preventative maintenance;</li><li>○ Combustible removal;</li><li>○ Gross vacuuming;</li><li>○ Maintenance vacuuming;</li><li>○ Decontamination as required (e.g., spills, leaks, etc.);</li><li>○ Apply fixative to surfaces, as required, to control loose contamination and airborne particulates;</li><li>○ Initial isolation of below and above grade utilities and process systems;</li><li>○ Drain, purge, and flush systems posing a health and safety concern to workers;</li></ul></li></ul>		

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<ul style="list-style-type: none"><li>○ Repair and modify access doors, as required;</li><li>○ Provide construction power, temporary lighting and ground-fault interrupter (GFI)-protected portable power panels;</li><li>○ Repair and seal exterior wall penetrations;</li><li>○ Drain and sample lubricants from equipment; and</li><li>○ Disposition newly discovered waste.</li><li>• Vehicle maintenance will include oil changes, replacement of tire, repairs of vehicles, as required.</li></ul>		
<b>WBS 04.11.03.03.01 Surveillance &amp; Maintenance Subproject Management</b> Provide overall management activities associated with this subproject. Activities performed under this subelement include the following: <ul style="list-style-type: none"><li>• Perform technical, contractual and project functions necessary to effectively manage and report scope, schedule, and budget.</li><li>• Maintain all activities within the defined safety, environmental, and quality requirements.</li><li>• Perform technical and personnel management functions.</li><li>• Maintain technically qualified and properly trained personnel.</li><li>• Develop, evaluate, and report project performance metrics.</li><li>• Interface with DOE, KY, EPA, other prime contractors, and stakeholders, as needed.</li></ul> <p>The method(s) used for determining earned value for this WBS element is Level of Effort.</p>		
<b>WBS 04.11.03.03.02 C-340 S&amp;M</b> <ul style="list-style-type: none"><li>• Perform S&amp;M activities for the C-340 Complex that include, but are not limited to, routine inspections, corrective maintenance, rodent and pest control, minor facility repairs, combustible removal, gross vacuuming, maintenance vacuuming, cleanup of spills/leaks, control of loose contamination and airborne particles, and isolation of utilities.</li><li>• Develop and implement a plan to reduce the cost, while maintaining performance of S&amp;M in the C-340 complex.</li></ul> <p>The method(s) used for determining earned value for this WBS element is Level of Effort.</p> <p>Before beginning field work, the project team must have an internal field review (IFR). For this IFR, the project team will put together a work package. This work package includes the following:</p> <ul style="list-style-type: none"><li>• Work Instructions - includes hold points</li><li>• Training Matrix and evidence of training</li><li>• UCD/USQD</li><li>• Lessons Learned</li><li>• Work authorization and work release from facility managers</li><li>• Procedures</li><li>• AHA</li><li>• Excavation/Penetration Permits</li><li>• RWP</li><li>• Team Meeting documentation</li><li>• Project Organization Chart</li></ul> <p>In addition to the above, a Sampling Analysis Plan, Quality Assurance Plan, Waste Management Plan, and Health &amp; Safety Plan may be needed for any non-CERCLA actions.</p> <p>For CERCLA actions, the appropriate FFA/CERCLA documentation will be required which will include</p>		

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SAP, QAP, WMP, H&S Plan, and other documents, as applicable to the action. These documents may require Regulatory approval.

The work package and other documentation are developed by personnel that charge to this project and also by personnel that charge to project support service center (i.e. QAP and RWP).

#### **WBS 04.11.03.03 Other Facilities S&M**

- Perform S&M activities for the site facilities identified in the table below. These facilities are identified in two groups: the first group includes those facilities that are considered inactive facilities or solid waste management units (SWMUs), the second group are those facilities/areas that provide support to multiple projects by housing support personnel or equipment. S&M activities include, but are not limited to, routine inspections, corrective maintenance, rodent and pest control, minor facility repairs, combustible removal, maintenance vacuuming, radiological surveys, cleanup of spills/leaks, control of loose contamination and airborne particles, and isolation of utilities.

Group 1	Group 2	Group 2	Group 2
C-200	C-412-T02	C-612-T01	C-755-B
C-218	C-412-T03	C-612-T02	C-755-D
C-342	C-412-T04	C-612-T03	C-755-N
C-342-A	C-412-T05	C-730-T01	C-755-T01
C-342-B	C-412-T06	C-730-T06	C-755-T02
C-402	C-412-T07	C-743-T01	C-755-T03
C-403	C-412-T08	C-743-T02	C-755-T04
C-405	C-412-T09	C-743-T03	C-755-T06
C-410-B	C-412-T10	C-743-T04	C-755-T07
C-611-K	C-412-T11	C-743-T07	C-755-T13
C-611-M	C-412-T12	C-743-T09	C-755-T14
C-611-N	C-412-T13	C-746-P-T01	C-755-T18
C-616-E	C-412-T14	C-746-P-T05	C-755-T19
C-710 Tanks	C-416		C-755-T20
C-720 underground pipe	C-416-T01		C-755-T22
C-720 Degreaser	C-417		C-755-T23
C-745-A-SW			C-755-T24
C-746-R			C-755-T25
			C-770

The method(s) used for determining earned value for this WBS element is Level of Effort.

Before beginning field work, the project team must have an internal field review (IFR). For this IFR, the project team will put together a work package. This work package includes the following:

- Work Instructions - includes hold points
- Training Matrix and evidence of training
- UCD/USQD
- Lessons Learned
- Work authorization and work release from facility managers

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<ul style="list-style-type: none"><li>• Procedures</li><li>• AHA</li><li>• Excavation/Penetration Permits</li><li>• RWP</li><li>• Team Meeting documentation</li><li>• Project Organization Chart</li></ul> <p>In addition to the above, a Sampling Analysis Plan, Quality Assurance Plan, Waste Management Plan, and Health &amp; Safety Plan may be needed for any non-CERCLA actions.</p> <p>For CERCLA actions, the appropriate FFA/CERCLA documentation will be required which will include SAP, QAP, WMP, H&amp;S Plan, and other documents, as applicable to the action. These documents may require Regulatory approval.</p> <p>The work package and other documentation are developed by personnel that charge to this project and also by personnel that charge to project support service center (i.e. QAP and RWP).</p> <p><b>WBS 04.11.03.03.04 Vehicle Maintenance</b></p> <ul style="list-style-type: none"><li>• Perform scheduled maintenance of vehicles assigned to the Facility Disposition Project, including oil changes, tire replacement, and standard servicing.</li><li>• Perform required repairs to vehicles when equipment fails.</li></ul> <p>The method(s) used for determining earned value for this WBS element is Level of Effort.</p> <p><b><u>DELIVERABLES</u></b></p> <p><b>WBS 04.11.03.03.01 Surveillance &amp; Maintenance Subproject Management</b></p> <p><u>Element Milestones</u></p> <ul style="list-style-type: none"><li>• None</li></ul> <p><u>Element Deliverables</u></p> <ul style="list-style-type: none"><li>• Paducah PRS Quality Assurance (QA) Project Plan</li><li>• Paducah PRS Environmental, Safety, and Health Plan</li><li>• Provide input to the following reports and submittals (if applicable):<ul style="list-style-type: none"><li>○ Monthly Project Performance Report (PPR)</li><li>○ Risk Management Plan Updates</li><li>○ Site Management Plan (SMP)</li><li>○ SWMU Assessment Report</li><li>○ Semiannual Critical Analysis Report</li><li>○ Presentations</li><li>○ FFA briefings</li><li>○ Labor determinations</li><li>○ Gold Chart Performance Metrics</li><li>○ Annual updates to Site Treatment Plan</li><li>○ Annual Compliance Agreement Report</li><li>○ Annual Integrated Safety Management System (ISMS) Update</li><li>○ Annual Work Smart Standards Update</li><li>○ Financial Reporting, Management Analysis Reporting System</li><li>○ Annual Statement of Costs Incurred and Claimed</li><li>○ FFA Semiannual Progress Report</li></ul></li></ul>		

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<ul style="list-style-type: none"><li>o Remedial Action/Regulatory Commitment Tracking Report</li><li>o Other reports/documents, as necessary</li></ul>		
<b>WBS 04.11.03.03.02 C-340 S&amp;M</b>		
<u>Element Milestones</u>		
<ul style="list-style-type: none"><li>• None</li></ul>		
<u>Element Deliverables</u>		
<ul style="list-style-type: none"><li>• S&amp;M Cost Savings Plan submitted for CO Information</li></ul>		
<b>WBS 04.11.03.03.03 Other Facilities S&amp;M</b>		
<u>Element Milestones</u>		
<ul style="list-style-type: none"><li>• None</li></ul>		
<u>Element Deliverables</u>		
<ul style="list-style-type: none"><li>• Maintenance Implementation Plan – 60 days after contract award for CO approval</li><li>• S&amp;M Inspection Summary – submitted quarterly for CO Information</li></ul>		
<b>WBS 04.11.03.03.04 Vehicle Maintenance</b>		
<u>Element Milestones</u>		
<ul style="list-style-type: none"><li>• None</li></ul>		
<u>Element Deliverables</u>		
<ul style="list-style-type: none"><li>• None</li></ul>		
<b><u>REQUIREMENTS</u></b>		
<ul style="list-style-type: none"><li>• Comprehensive Environmental Recovery, Compensation, and Liabilities Act (CERCLA)/National Contingency Plan</li><li>• KY Hazardous Waste Permit (KY8-890-008-982)</li><li>• FFA for PGDP</li><li>• SMP for PGDP (annual revisions)</li><li>• Applicable state and federal laws and regulations (applicable or relevant and appropriate requirements)</li><li>• PRS ISMS</li><li>• UEO-1066, as updated - Lease Agreement with DOE and USEC, Revision 4, dated October 30, 2001</li><li>• Enclosure to GDP 95-0018, as updated - USEC and DOE Resolution of Shared Site Issues, Revision 1, dated March 30, 1998</li><li>• Applicable PRS plans, policies and procedures.</li><li>• Waste Acceptance Criteria for all applicable treatment and disposal facilities that were in effect on April 24, 2006.</li><li>• Applicable DOE Orders</li><li>• Applicable Federal Acquisition Regulations</li></ul>		
<p>It is the core value of PRS that the safety and health of every worker, the public at large, and our environment are the most important assets that we are entrusted to protect. To accomplish this, an ISMS, based on DOE's ISMS, has been implemented that incorporates the five core functions and is based on the seven guiding principles. The objective of ISMS is to systematically integrate safety and</p>		

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<p>environmental protection into the planning and execution of all work activities. The term safety encompasses Nuclear Safety, Industrial Safety, Industrial Hygiene, Occupational Health, Health Physics, and environmental issues. ISMS requirements flow-down to PRS subcontractors. The five core functions are (1) define the scope of work, (2) analyze hazards, (3) develop and implement hazard controls, (4) perform work within controls, and (5) provide feedback and continuous improvement. The seven guiding principles are (1) line management responsibility for safety, (2) clear roles and responsibilities, (3) competence commensurate with responsibility, (4) balanced priorities, (5) identification of safety standards and requirements, (6) hazard control tailored to work being performed, and (7) operations authorization.</p> <p>Before a subproject begins, several activities must be completed that demonstrate that all involved in the project have completed rigorous health and safety reviews and that all potential hazards of doing the work have been identified. The routine activities in remedial actions are conducted in accordance with standard operating procedures, activity hazard analyses, and Integrated Safety Management plans. Nonroutine work will require a readiness assessment, as necessary, to ensure complete health, safety, and environmental reviews prior to work start. This assessment is conducted by people experienced in similar kinds of work with the right to examine all aspects of a project about to commence and requires that the project team provide documented evidence that any applicable requirements of the job have been met.</p>		
<b><u>SCOPE ASSUMPTIONS</u></b>		
<ul style="list-style-type: none"><li>• Major maintenance, such as roof replacement, will not be necessary for the facilities.</li><li>• S&amp;M will clean up minor spills, etc., and will package the incidental volume (10 drums per year) of waste material for transfer to the Facilities Disposition D&amp;D projects for ultimate disposition with other large volume waste streams.</li><li>• Maintenance of all radiological control equipment is included in WBS 1.9.1.</li><li>• Criticality Accident Alarm System is not required.</li><li>• The C-340 Complex is a radiological facility.</li><li>• Facilities will be dispositioned either for disposal or returned to DOE based on evaluation of the condition and needed use. This evaluation will be performed when a project completes the work and the facility is no longer needed to support the mission of the PRS contract.</li></ul>		
<b><u>COMPLETION CRITERIA</u></b>		
<ul style="list-style-type: none"><li>• S&amp;M Cost Savings Plan implemented.</li><li>• S&amp;M is complete when facilities are no longer included in the property list.</li><li>• Facilities will be maintained in a condition that will allow occupancy/use.</li></ul>		
<b><u>RISK MANAGEMENT</u></b>		
<p>See Risk Management Plan for analysis.</p> <p>Risk was mitigated through the following efforts:</p> <ul style="list-style-type: none"><li>• Safety and environmental requirements will be integrated into work processes to mitigate NOVs and stop work orders due to safety or security concerns.</li><li>• Facility deterioration and/or structural instability will be mitigated by repairs to roof leaks and structural supports, as required.</li><li>• Potential environmental releases will be mitigated by control of leaks, barriers, and cleanup of spills.</li><li>• Increased maintenance demands will be mitigated through a preventative maintenance program.</li></ul>		

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inspections and identification of trends.

- Changed conditions in facilities resulting in changes to safety basis documents will be mitigated by an evaluation of the risk as part of the quantitative risk analysis.

#### **CERCLA AREAS AND SWMU**

<b>RAIMS No.</b>	<b>SWMU No.</b>	<b>Description</b>	<b>DMSA No.</b>
	72	C-200	
	181	C-218	
	480	C-402	
	40	C-403	
	55	C-405	
	19	C-410-B	
	185	C-611-K	
	484	C-611-M	
	485	C-611-N	
	17	C-616-E	
	73	C-710 Tanks	
	90	C-720 underground pipe	
	141	C-720 Degreaser	
	212	C-745-A-SW	
	45	C-746-R	

#### **BASIS OF ESTIMATE**

##### **1. Summary of Site Conditions**

Group 1 facilities/areas consist of 5 structures C-402, C-405, C-611-M, C-611-N and C-746-R; 2 grounds C-218 and C-745-A-SW; 3 lagoons/pits C-403, C-410-B, and C-616-E; 3 underground utilities/tanks C-200, C-710 tanks and C-720 underground pipe; 1 out of service equipment C-720 Degreaser. C-402 is a concrete building. C-405 is a structural steel frame building with transite siding. C-611 M&N are both concrete water towers. C-746-R is a concrete pad that contains two aboveground metal tanks. C-218 is the outdoor firing range, C-745-A-SW is an open field adjacent to the C-745-A cylinder yards. C-403 is a neutralization pit, C-410-B is a concrete lagoon and C-616-E is a settling lagoon. C-200 and C-710 consist of underground storage tanks and C-720 underground pipe is a piping system left in place. C-720 degreaser is a RCRA closed piece of process equipment. The structures identified above are considered inactive with respect to use for the project mission, C-402, C-405 and C-611-M&N are scheduled for D&D prior to the end of 2009.

Group 2 facilities consist of 42 office/changehouse trailers, 1 decon pad, 1 storage sealand, 3 laydown/parking areas and 1 shower facility. The decon pad is in good condition with recent repairs being made for support to a field project. The storage sealand is between good and poor condition though it is still usable condition, some repair work may be required prior to the end of the contract. The laydown/parking areas are in good condition with minimal maintenance projected to be required. Of the 46 office/changehouse trailers, it is estimated that over half have or will require extensive maintenance over the life of the contract. The trailers are prone to leaks, which results in damage to the walls and floors and contributes to a mold concern. In some cases, the leaks are the result of the age of the trailer; other cases can be contributed to poor construction.



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**a. Summary**

• **WBS 04.11.03.03.02 C-340 S&M**

The C-340 Complex previously was used to convert uranium oxides to uranium metal. Operations were suspended in the mid 1980s and the facility placed into the DOE D&D program. The complex has been undergoing minimal S&M activities awaiting D&D. The C-340 Complex is classified as a radiological facility.

The C-340 Complex consists of the following facilities:

C-340-A Powder Building  
C-340-B Metals Building  
C-340-C Slag Building  
C-340-D Magnesium Storage Building  
C-340-E Emergency Power for Critical Alarms

• **WBS 04.11.03.03.03 Other Facilities S&M**

The other site facilities are classified into two groups: Group 1 facilities support the mission of PRS to complete the requirements of the contract. Group 2 facilities previously were used to support the mission of enriching uranium at the PGDP. The group 2 facilities have been undergoing minimal S&M activities while awaiting final disposition. The S&M of PRS contract facilities includes the buildings, trailers, pads, outdoor items, as listed below:

Group 1	Group 2	Group 2	Group 2
C-200	C-412-T02	C-612-T01	C-755-B
C-218	C-412-T03	C-612-T02	C-755-D
C-342	C-412-T04	C-612-T03	C-755-N
C-342-A	C-412-T05	C-730-T01	C-755-T01
C-342-B	C-412-T06	C-730-T06	C-755-T02
C-402	C-412-T07	C-743-T01	C-755-T03
C-403	C-412-T08	C-743-T02	C-755-T04
C-405	C-412-T09	C-743-T03	C-755-T06
C-410-B	C-412-T10	C-743-T04	C-755-T07
C-611-K	C-412-T11	C-743-T07	C-755-T13
C-611-M	C-412-T12	C-743-T09	C-755-T14
C-611-N	C-412-T13	C-746-P-T01	C-755-T18
C-616-E	C-412-T14	C-746-P-T05	C-755-T19
C-710 Tanks	C-416		C-755-T20
C-720 underground pipe	C-416-T01		C-755-T22
C-720 Degreaser	C-417		C-755-T23
C-745-A-SW			C-755-T24
C-746-R			C-755-T25
			C-770

There are other facilities on-site that will require S&M. The S&M of these facilities will be covered by the responsible project.

• **WBS 04.11.03.03.04 Vehicle Maintenance**

The fifteen vehicles and forty-five pieces of equipment assigned to Facility Disposition will be

<b>1. PROJECT TITLE/PARTICIPANT</b> Environmental Management/Paducah Remediation Services, LLC (PRS)	<b>2. DATE</b> 06/29/07	<b>3. IDENTIFICATION NUMBER</b> Paducah Project DOE Portsmouth/Paducah Project Office (PPPO)
<b>4. WBS ELEMENT CODE</b> 04.11.03.03	<b>5. WBS ELEMENT TITLE</b> Surveillance & Maintenance	

maintained under this WBS element.

**b. Major Assumptions**

- Major maintenance, such as roof replacement or mold removal, will not be necessary for the facilities.
- S&M will cleanup minor spills, etc., and will package the incidental volume of waste material for transfer to the Facilities Disposition D&D projects for ultimate disposition with other large volume waste streams.
- The facilities S&M records and inspections will be up to date.
- Condition Assessment Surveys (CAS) will be performed on an on-going basis, with no significantly different findings than those reported in the past.
- Industrial hygiene characterization in C-340 is complete in order to support tours and inspections of the area.
- Design and project planning for utility and process line isolation for C-340 Complex is complete.
- Eight facilities will be evaluated at the end of FY 08 in this WBS budget to determine if they are still required to support the mission at the site. The evaluation will determine if the facilities should be considered surplus or disposed. The facilities are associated with the Material Disposition project.

**2. Estimating Methods**

☐ Parametric    ☒ Bottoms-Up    ☐ Other: \_\_\_\_\_

**3. Sources of Estimating**

- Experience with S&M of similar uranium facilities at Fernald and Oak Ridge.
- S&M labor effort is based on the prior year costs.
- Materials and supplies are estimated based on prior years costs.
- S&M Cost/Performance Plan will be developed using the benchmarks established by SST, using best practices.

**4. Basis of Estimate (Unescalated Values)**

**WASTE VOLUMES**

See attached waste performance metrics, as applicable.

**PROJECT SCHEDULE**

See attached schedule.

**BASELINE BY YEAR**

See attached Baseline by Year Report.